

10/525256

Rec'd PCT/PTO 22 FEB 2005

## INTERNATIONAL SEARCH REPORT

PCT/EP 03/09496

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 A61K7/48 A61K31/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, EPO-Internal, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 02 076401 A (GILLESSEN SILKE ;DANA FARBER CANCER INST INC (US); DRANOFF GLENN) ( ) 3 October 2002 (2002-10-03) page 7, paragraph 3 page 13, paragraph 1 page 8, paragraph 1	1-4, 15-19, 21
X	WO 00 62787 A (UNIV CALIFORNIA) 26 October 2000 (2000-10-26)  page 2; claims 1,4,5 page 11, paragraph 1 page 14, paragraph 2	1-4, 14-21, 24-26, 35-37
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

29 October 2003

Date of mailing of the international search report

11/11/2003

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99 22728 A (ARCH DEV CORP ;LIAO SHUTSUNG (US); HIIPAKKA RICHARD A (US)) 14 May 1999 (1999-05-14) page 6, paragraph 2 -page 7, paragraph 4 claims 2-4,7,10 ---	1-4, 10-23
X	WO 01 79152 A (YISSUM RES DEV CO ;DAGAN ARIEH (IL); GATT SHIMON (IL)) 25 October 2001 (2001-10-25) claims 1-7,13-16 ---	1-4, 10-23, 33,37
X	WO 01 12208 A (DRIEU KATY ;SOD CONSEILS RECH APPLIC (FR); UNIV GEORGETOWN (US); P) 22 February 2001 (2001-02-22) claim 1 ---	1-14, 18-23
X	K. SHARMA: "Death the Fas way: regulation and pathophysiology of CD95 and its ligand" PHARMACOLOGY AND THERAPEUTICS, vol. 88, 2000, pages 333-347, XP002238439 *abstract* ---	1-14, 18-23
A	KAWANO T ET AL: "CD1d-restricted and TCR-mediated activation of V(alpha)14 NKT cells by glycosylceramides" SCIENCE, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE,, US, vol. 278, 1997, pages 1626-1629, XP002175772 ISSN: 0036-8075 the whole document -----	1-37

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## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2. ☒ Claims Nos.: 1-12, 14-37 (all of them partially)  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  
see FURTHER INFORMATION sheet PCT/ISA/210
  
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
  
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
  
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
  
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 1-12, 14-37 (all of them partially)

Present claims 1-12 and 14-37 relate to an extremely large number of possible compounds: the property of being capable of block or modify endogenous CD1d function is a property of many compounds. Support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT is to be found, however, for only a very small proportion of the compounds claimed. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Consequently, the search has been carried out for those parts of the claims which appear to be supported and disclosed, namely those parts relating to the compounds mentioned in claim 13.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

PCT/EP 03/09496

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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			US 2002165170 A1	07-11-2002
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			WO 0062787 A1	26-10-2000
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			JP 2003507336 T	25-02-2003
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